

Title (en)

POLAR SOLUBLE OXYGEN SCAVENGING COMPOSITIONS

Title (de)

IN POLAREN POLYMEREN LÖSLICHE, SAUERSTOFFABSORBIERENDE ZUSAMMENSETZUNGEN

Title (fr)

DES COMPOSITIONS SOLUBLES DANS DES POLYMERES POLAIRES QUI ATTRAPENT L'OXYGEN E

Publication

EP 2675848 B1 20150121 (EN)

Application

EP 12706984 A 20120217

Priority

- US 201161444471 P 20110218
- US 2012025744 W 20120217

Abstract (en)

[origin: WO2012112957A1] Butadiene, isoprene, and terpene based materials are soluble in polymer matrices such as polyethylene terephthalate when the butadiene, isoprene, or terpene compound also contains allylic carbons afterwith at least one polar moiety which is non-reactive to the matrix polymer. These compounds can be oxygen scavengers when in the presence of cobalt or manganese compounds and have been found to have substantially reduced haze in the final package.

IPC 8 full level

C08L 77/00 (2006.01); **C08L 67/00** (2006.01)

CPC (source: CN EP US)

B65D 81/266 (2013.01 - US); **C08K 5/1539** (2013.01 - EP US); **C08L 9/00** (2013.01 - EP US); **C08L 67/02** (2013.01 - CN EP US); **C08L 77/02** (2013.01 - CN); **C08L 77/06** (2013.01 - EP US); **C08K 5/098** (2013.01 - EP US); **C08L 51/006** (2013.01 - EP US); **C08L 51/04** (2013.01 - EP US); **C08L 2201/14** (2013.01 - CN); **C08L 2203/10** (2013.01 - CN)

C-Set (source: CN EP US)

CN

1. **C08L 67/02** + **C08L 9/00**
2. **C08L 67/02** + **C08L 9/06**
3. **C08L 67/02** + **C08L 51/04**
4. **C08L 77/02** + **C08L 9/00**
5. **C08L 77/02** + **C08L 9/06**
6. **C08L 77/02** + **C08L 51/04**

EP US

1. **C08L 77/06** + **C08K 5/1539** + **C08L 9/00**
2. **C08L 67/02** + **C08K 5/098** + **C08L 51/006**
3. **C08L 67/02** + **C08K 5/098** + **C08L 51/04**

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012112957 A1 20120823; BR 112013021037 A2 20161011; BR 112013021037 A8 20180731; BR 112013021037 B1 20200526; CA 2827540 A1 20120823; CA 2827540 C 20190716; CN 103635536 A 20140312; CN 103635536 B 20160224; EP 2675848 A1 20131225; EP 2675848 B1 20150121; ES 2535201 T3 20150506; MX 2013009503 A 20140327; MX 339191 B 20160513; PL 2675848 T3 20150731; RU 2013142439 A 20150410; RU 2593453 C2 20160810; US 2014145109 A1 20140529

DOCDB simple family (application)

US 2012025744 W 20120217; BR 112013021037 A 20120217; CA 2827540 A 20120217; CN 201280009394 A 20120217; EP 12706984 A 20120217; ES 12706984 T 20120217; MX 2013009503 A 20120217; PL 12706984 T 20120217; RU 2013142439 A 20120217; US 201213982832 A 20120217